

PATENT SPECIFICATION



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PROVISIONAL SPECIFICATION

Folding Box or Carton

I, DOUGLAS ARCHIBALD HUNT, of "Dovedale," Maxim Road, Grange Park, London, N.21, a British Subject, do hereby declare the nature of this invention to be as follows:—

This invention relates to a folding box or carton made from a single blank of thin cardboard or equivalent material, and is of that kind in which the body portion is solid and of rectangular shape with ends closed by flaps.

The invention has more particularly to do with the flaps and whilst it may be applied to both ends of the box, in a usual way one end is closed by any known or convenient means, whilst the other end is closed by an improved form of flap which provides means whereby that end can be sealed in such a manner that after the seal has been broken, the said end of the box can be re-closed by the remaining flap to protect the contents from dust or otherwise better hold them in the box.

In this improved flap construction the four side walls of the body part are each provided with a flap and of these, two opposite flaps are adapted to fold inwardly, one over the other across the end of the box. A third flap is adapted to lie over these two flaps and has a flange along its outer edge, said flange being adapted to be tucked into the box alongside the junction of the fourth flap to its side. This fourth flap is weakened by the two lines of perforations or the equivalent which form a strip across the flap, one

end of the strip having a small tab (cut from one of the first two mentioned flaps) by which the strip can be easily torn along the two lines from the rest of the flap. The under side of the outer part of the fourth flap is secured to the third or tucked-in flap by adhesive or other suitable means.

In use, the box or carton is filled, the two flaps are turned in, the third flap is placed over them, and has its flange tucked into position and the fourth flap is placed over the third and secured thereto along the above mentioned adhesive or like part, thus effectively sealing that end of the box. To open the box, the strip between the perforated lines is torn out by means of the tab, and thus access to the third flap is obtained, said third flap being then used for closing the end of the box, whilst it is in use.

The two first mentioned flaps may be plain or rectangular pieces or may be constructed to be locked together in any known or convenient manner and instead of making the third flap with a tucked-in end, it may be locked to one or both of the said two flaps by means of tongues or slots or as is desired.

It is possible to make the strip without the tab but the use of the tab facilitates tearing the strip away.

Dated this 19th day of February, 1935.

HY. FAIRBROTHER,
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30 and 32, Ludgate Hill, London, E.C.4.

COMPLETE SPECIFICATION

Folding Box or Carton

I, DOUGLAS ARCHIBALD HUNT, of "Dovedale," Maxim Road, Grange Park, London, N.21, a British Subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to a folding box or carton made from a single blank of thin cardboard or equivalent material, and is of that kind in which the body portion is of rectangular shape with ends

closed by flaps.

The invention has more particularly to do with the flaps and whilst it may be applied to both ends of the box, in a usual way one end is closed by any known or convenient means, and the other end is closed by flaps of improved form which provide means whereby that end can be sealed in such a manner that after the seal has been broken, the said end of the box can be re-closed by the remaining flaps to protect the contents from dust or other-

wise better hold them in the box.

A carton or box according to the present invention is made from a single blank folded to form a rectangular carton or box having four walls one end of which box is closed by flaps of any known or suitable kind and the other end of which is closed by four flaps extending from the four walls, two opposite flaps being bent inwardly over the end of the carton or box, one of the other flaps, the third flap, being also bent inwardly but having an end flange adapted to be tucked inwardly along the junction of the other or fourth and opposite flap with the wall, said fourth flap having in it two scored or perforated lines to provide a transverse, removable tear-out strip, the end of said strip preferably having a tab cut from one of the first mentioned two opposite flaps, whilst the outer part of the fourth flap is secured (by adhesive, staple or equivalent) to the third flap near the junction of the third flap with the wall from which it projects so as to provide a seal which is broken when the tear-out strip is removed.

The invention will now be described with reference to the accompanying drawings wherein:

Fig. 1 shows the one-piece blank;

Fig. 2 is a perspective view of a closed box made by appropriately folding the said blank;

Fig. 3 is a perspective view of the same box with the tear-out strip removed to enable the box to be opened;

Fig. 4 is a perspective view of the said box when opened; and

Fig. 5 a perspective view of the box releasably held closed by the tucked-in flange.

The four areas 1 of the blank are folded to form the body of the rectangular carton illustrated in Figs. 2-5 and held in position by securing the flange 2 on one of the areas to the area contiguous thereto.

The bottom of the carton is intended to be permanently closed by folding the flaps 3 inwardly and then folding larger flaps 4 inwardly to overlap each other and securing these larger flaps together.

The tops of the walls 1 are each provided with a flap and of these two flaps 5 fold inwardly one over the other across the top of the carton. A third flap 6 folds over the flaps 5 and has a flange 7 along its outer edge which flange is tucked into the carton adjacent to the junction of the fourth flap 8 to its wall.

This fourth flap is weakened by two transverse lines 9 of perforations which form a tear-out strip 10 across the flap and this strip has a small finger tab 11

at one end cut from the flap 5 between flaps 8 and 6. The finger tab enables the strip 10 to be easily removed. The flap 8 is secured between its outer edge and the strip 10 to the flap 6 and in this manner seals the carton closed. Adhesive or any other suitable means may be used to secure flap 8 to flap 6; and the perforations 9 may be replaced by scores or the like which weaken the flap 8 in such a manner as to provide a tear-out strip equivalent to 10.

In use, the bottom of the carton or box is closed in the manner previously described and the carton filled. The flaps 5, 5 are turned inwardly at right angles to their walls 1, the flap 6 is placed over them and the flange 7 tucked into the end of the carton adjacent to the hinge between the flap 8 and its wall, and the flap 8 is folded on to the flap 6 and secured thereto as above described to seal the carton closed.

When it is desired to open the carton the tab 11 is gripped and the strip 10 torn out of the flap 8: this breaks the seal. Access to the flap 6 is thus obtained and the carton can be opened by separating the flaps 6 and 5 and re-closed by folding the flaps 5 inwardly and tucking the flange 7 into the end of the carton after folding the flap 6 over the flaps 5. That portion 8' of the flap 8 remaining after the strip has been torn out may be left in the position shown in Fig. 4 or may be tucked into the end of the carton so that the carton has the appearance shown in Fig. 5. In the latter case the said portion coacts with the flange 7 better to hold the carton closed.

The flaps 5 may be constructed to be releasably locked together in any known or convenient manner.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A carton or box of cardboard or like material made from a single blank folded to form a rectangular carton or box having four walls one end of which carton is closed by flaps of any known or suitable kind and the other end of which is closed by four flaps extending from the four walls, two opposite flaps being bent inwardly over the end of the carton or box, one of the other flaps, the third flap, being also bent inwardly but having an end flange adapted to be tucked inwardly along the junction of the other or fourth and opposite flap with the wall, said fourth flap having in it two scored or perforated lines to provide a transverse, removable tear-out strip, whilst the outer

part of the fourth flap is secured (by adhesive, staple or equivalent) to the third flap near the junction of the third flap with the wall from which it projects so as to provide a seal which is broken when the tear-out strip is removed.

2. A carton or box according to claim 1, wherein the tear-out strip is provided with a tab cut from one of the first men-

tioned two opposite flaps.

3. A carton or box according to claim 1 or 2, wherein the said two opposite flaps are constructed to be locked together in any known or convenient manner.

Dated this 1st day of February, 1936.

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FIG. 1

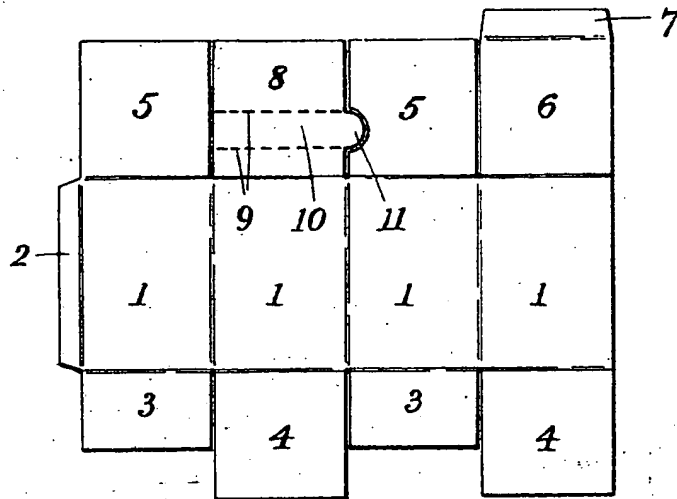


FIG. 2

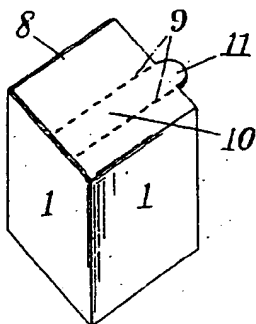


FIG. 3

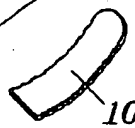
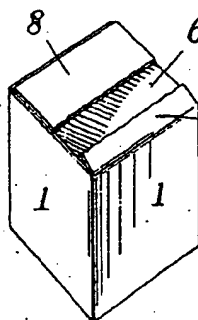
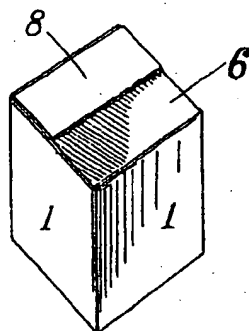


FIG. 4

FIG. 5



[This Drawing is a reproduction of the Original on a reduced scale.]